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1625

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : ATTN: PATENT PUBLICATIONS
Jacques DUMAS et al. : Examiner: Amelia A. Owens
Serial No.: 09/640,780 : Group Art Unit: 1625
Filed: August 18, 2000 : Allowed: November 8, 2006
For: INHIBITION OF RAF KINASE USING SUBSTITUTED HETEROCYCLIC UREAS

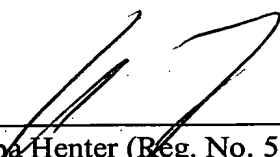
REQUEST FOR COMPLETE NOTICE OF ALLOWANCE

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Sir:

In the Notice of Allowance mailed November 8, 2006, the Examiner indicates at No. 2 of the Reasons for Allowance that "The IDS has been considered. References marked through were not present in the file." However, a review of the file on the P.A.I.R. system shows that all references were indeed received by the Patent and Trademark Office. Consequently, it is respectfully requested that fully examiner-initialed copies of the attached Forms PTO/SB/08A be returned to applicants indicating that all references have been considered.

Respectfully submitted,



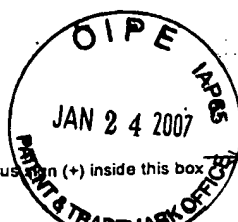
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Filed: January 24, 2007

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BAYER-0008-C01



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Sheet | 1 | of | 8 |
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|------------------------|----------------------|
| Application Number | 09/640,780 |
| Filing Date | August 18, 2000 |
| First Named Inventor | Jacques DUMAS et al. |
| Group Art Unit | 1625 |
| Examiner Name | Amelia A. Owens |
| Attorney Docket Number | BAYER-0008-C01 |

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Ts |
|--------------------|-----------------------|-------------------------|---|---|---|--|----|
| | | Office 3 | Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | EP | 0380048A2 | ✓ | 8-1-90 | | |
| | | EP | 0264904A2 | ✓ | 4-27-88 | | |
| | | EP | 0359148A1 | ✓ | 3-21-90 | | |
| | | EP | 0233559B1 | ✓ | 8-26-87 | | |
| | | EP | 0230400A2 | ✓ | 7-29-87 | | |

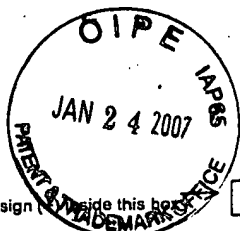
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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|---------------------|-----------------------|---|----------------|
| AO | | Publication No. US 2002/0065296 A1, Publication Date: May 30, 2002, Dumas et al. | |
| AO | | Publication No. US 2002/0062763 A1, Publication Date: May 30, 2002, Macholdt et al. | |
| | | Publication No. US 2002/012831 A1, Publication Date: September 24, 2002, Widdowson et al. | ✓ |
| AO | | Publication No. US 2002/0082255 A1, Publication Date: June 27, 2002, Eastwood | |
| | | Caplus 113:106314, Abstract of JP 2022650, Silver halide color photographic material containing a cyan coupler of 2-ureido-phenol type to improve dye developability and remove leuco cyan dye, Noboru Mizukura et al. January 25, 1990. | ✓ |
| | | Caplus 113:142130, Abstract of JP 2023337, Silver halide photographic material containing phenolic cyan coupler a colorless cyan coupler, Toshihiko Yagi et al., January 25, 1990. | ✓ |
| | | Caplus 87:62285, "The metabolism and toxicity of halogenated carbanilides: Biliary metabolites of 3,4,4'-trichlorocarbanilide and 3-trifluoromethyl-4,4'-dichlorocarbanilide in the rat", Chemical Life Science, pp. 157-66, 1977. | ✓ |
| | | Caplus 127:293717, "Optical properties of segmented oligourethane with azomethine terminal fragments", National Academy of Science of Ukraine, M. V. Kurik et al., pp. 2038-2041, 1996. | ✓ |
| | | Caplus 127:273945, "Quantitative structure-biodegradability studies: an investigation of the MITI aromatic compound database", School of Pharmacy and Chemistry, J. C. Dearden, pp. 93-104, 1996 | ✓ |
| | | Caplus 126:166146, "Inhibitors of coenzyme A-independent transacylase induce apoptosis in human HL-60 cells", James D. Winkler et al., J. Pharmacol. Exp. Ther. Pp. 956-966, 1996. | ✓ |
| | | Caplus 98:78452, Abstract of JP 97185219, "Antitumor benzophenone derivatives", November 15, 1982. | ✓ |

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|---------------------|-----------------------|--|----------------|
| | | Caplus 72-79046, Abstract of CH 479567, "Tuberculosiatic and cancerostatic polybasic ureas", Dr. A. Wander, October 15, 1969. | ✓ |
| | | Caplus 125-245169, "Production of murine monoclonal antibodies against sulcufuron and flucufuron by in vitro immunization", G. A. Bonwick et al., J. Immunol. Methods, pp. 163-173, 1996. | ✓ |
| | | Caplus 127-341374, "Preparation of quinoline and quinazoline derivatives inhibiting platelet-derived growth factor receptor autophosphorylation", Kazuo Kubo et al., May 15, 1997. | ✓ |
| | | Caplus 134-56658, "Inhibition of raf kinase using symmetrical and unsymmetrical substituted diphenyl ureas", Miller, Scott, July 1, 1999. | ✓ |
| | | Caplus 131-87909y, "Inhibition of p38 kinase activity using substituted heterocyclic ureas", Jacques Dumas, July 4, 1999. | ✓ |
| | | Caplus 131-73649b, "Preparation of pyrazolyl aryl ureas and related compounds as p38kinase inhibitor", Jacques Dumas, July 1, 1999. | ✓ |
| So | | Joseph V. Simone, "Cecil Textbook of Medicine", 20th Edition, Vol. 1, 2-3-1997, pp. 1004-1010. | |
| | | Cesar Raposo et al., "Catalysis of Nucleophilic Addition of Pyrrolidine to 2-(3H)-Furanone through Chromenone Clef-Type Receptors", Vol. 37, No. 38, pp. 6947-6950, 1996. | ✓ |
| | | Jacqueline E. van Muijwijk-Koezen et al., "Isoquinoline and Quinazoline Urea Analogues as Antagonists for the Human Adenosine A ₃ Receptor", J. Ed. Chem. 2000, 43, pp. 2227-2238, January 3, 2000. | ✓ |
| | | Jacques Dumas et al., "1-Phenyl-5-pyrazolyl Ureas: Potent and Selective p38-Kinase Inhibitors", Bioorganic & Medicinal Chemistry Letters, pp. 2051-2054, May 2, 2000. | ✓ |
| | | Robert W. Carling et al., "4-(3-Cyano-benzyl)piperidin-4-yl)-5-methyl-4-phenyl-1,3-dihydroimidazol-2-one: A Selective High-Affinity Antagonist for the Human Dopamine D ₂ Receptor with Excellent Selectivity over Ion Channels", J. Med. Chem., 1999, 42, pp. 2706-2715. | ✓ |
| | | Abstract WO 9822103, May 28, 1998, John Philip Hedge et al. | ✓ |

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A Owens

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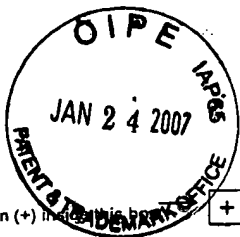
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|------------------------|--------------------------|---|----------------|
| | | Abstract of DE 3305866A1, August 29, 1984, Dr. Acker Rolf-Dieter et al. | ✓ |
| | | Abstract of EP 4931 (Equivalent 4,240,820), K. Dickore et al. (1980) | ✓ |
| AO | | Dumas, J., "CAS Structure," May 6, 1997, pages 1-29 | |
| AO | | Scott, Bill, "Substructure (Patent Families)," August 11, 1997, pages 1-19. | |
| AO | | Scott, Bill, "Substructure #2", November 25, 1997, pages 1-3. | |
| AO | | "Beilstein number" Collection, 28 pages (1997) | |
| AO | | "Beilstein Collection", 4 pages (1997) | |
| AO | | Scott, Bill, "Substructure Search", December 2, 1997, pages 1-51. | |
| AO | | Substructure Search, pages 1-30. (1997) | |
| AO | | Derwent World Patents Index Search, pages 20-26. (1997) | |
| AO | | Abstract of EP 116,932 (1984) | |
| AO | | Abstract of EP 676,395 (1995) | |
| AO | | Abstract of EP 202,538 (1986) | |
| | | Abstract of EP 16 371 (1980) | ✓ |

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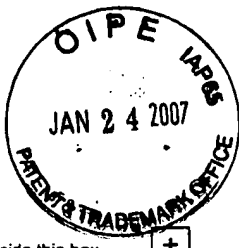
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